PATENT ABSTRACTS OF JAPAN

(11)Publication number:

05-157654

(43) Date of publication of application: 25.06.1993

(51)Int.Cl.

GO1M 3/26 BO1D 65/10 GO1N 15/08

(21)Application number: 03-319283

(71)Applicant: ASAHI CHEM IND CO LTD.

(22) Date of filing:

03.12.1991

(72)Inventor: FUJINO KAZUHITO

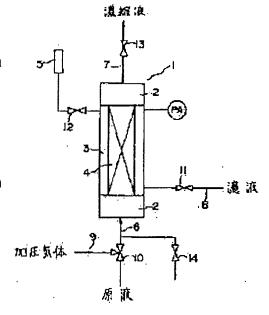
ANAMI YASUYUKI

(54) LEAKAGE INSPECTION METHOD OF FILM-SEPARATION DEVICE

(57) Abstract:

PURPOSE: To enable presence or absence of leakage defect of a film to be detected readily by filling a pressurized gas into one chamber which is isolated by a film, enclosing a liquid or a gas into the other chamber and at the same time providing a pressure-detection means, and then measuring pressure of a chamber at a side where gas leaks.

CONSTITUTION: A stock solution inside a bundle 4 of a hollow yarn filtering film and upper and lower stock solution chambers 2 is delivered out of a system. Then, a valve 11 is closed and valves 13 and 14 are shielded while liquid is filled into a filtering liquid chamber 3. After that, a pressurized air is filled into a stock solution chamber 2 and the hollow yarn 4. On the other hand, a



filtering liquid chamber 3 is in the same pressure as the pressurized air in liquid-sealing state. At this time, an air chamber 5 is shielded by a valve 12 and a normal-pressure air is filled inside. Then, the valve 12 is opened and a pressure of the liquid-filtering chamber 3 is reduced to a pressure which is lower than the pressurized air. At this time, when the filtering film is in a wet state, permeation of gas within a porous film is prevented extremely by surface tension, pressure increase at a liquid side of a sound film without any defect is slight, and the increase speed is calibrated previously. A pressure within the filtering liquid chamber 3